

TECHNICAL SHEET 23.01.01-05-ENG

JUBIZOL EPS F-G0



1. Product description

Thermal insulation boards made of expanded polystyrene with added **GRAPHITE** for improved thermal insulation, without fold (CFC free)

2. Technical data

Board format: 1000 x 500 mm
Thickness: from 10 mm to 300 mm

3. Resistance

Temperature resistance: 70 °C long-term

4. Conformity

SIST EN 13163

5. Quality

Product quality characteristics are determined by the European standards. JUB ensures the achieving of the declared or set quality level by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years and which comprises daily quality checks in our own laboratories. During the manufacturing process, JUB strictly complies with the European standards for the protection of the environment and for ensuring security and health at work, which has been confirmed by the ISO 14001 and OHSAS 18001 certificates.

6. Technical characteristics

CE- technical code EPS-EN 13163-L2-W2-T1-S2-P5-DS(N)2-DS(70,-)1-BS125-TR150-CS(10)80

Key characteristics	Code	Characteristic	Unit	Declared	Tolerance	Harmonized technical specif.
Length	L	1000	mm	L2	±2	EN 822
Width	W	500	mm	W2	±2	EN 822
Thickness	T	10-300	mm	T1	±1	EN 823
Perpendicularity	S	1000/500	mm	S2	±2	EN 824
Evenness	P	1000/500	mm	P5	±5	EN 825
Dimensional stability	DS(N)	1000/500	%	DS(N)2	±0.2	EN 1603
Dim. stability at specific temperature	DS(70)	1000/500	%	DS(70,-)1	1	EN 1604
Pressure strength at 10 % def.	CS	-	kPa	CS(10)80	≥80	EN 826
Flexural strength	BS	-	kPa	BS125	≥125	EN 12089
Tensile strength perpendicular to the surface	TR	-	kPa	TR150	≥150	EN 1607
Diffusion resistance coefficient	μ	20 - 40	-	-	-	EN 12086
Thermal conductivity coefficient	λ _D	0.032	W/mK	0.032	-	EN 12667
Reaction to fire (CE)	-	Euroclass E	-	Euroclass E	-	EN 13501-1
Reaction to fire	-	B1	-	B1	-	DIN 4102-1
Density	ρ _a	15-18	kg/m ³	15-18	-	EN 1602

Thermal resistance declared (Lambda/thickness ratio)

Board thickness (mm)	d	10	20	30	40	50	60	70	80	90	100	110	120
Thermal resistance declared (m ² K/W)	R _D	0.30	0.60	0.90	1.25	1.55	1.85	2.15	2.50	2.80	3.10	3.40	3.75
Lambda/ thickness ratio (W/m ² K)	λD/d	3.20	1.60	1.07	0.80	0.64	0.53	0.46	0.40	0.36	0.32	0.29	0.27
Board thickness (mm)	d	130	140	150	160	180	200	220	240	250	260	280	300
Thermal resistance declared (m ² K/W)	R _D	4.05	4.35	4.65	5.00	5.60	6.25	6.85	7.50	7.80	8.10	8.75	9.35
Lambda/ thickness ratio (W/m ² K)	λD/d	0.25	0.23	0.21	0.20	0.18	0.16	0.15	0.13	0.13	0.12	0.11	0.11

7. Areas of application

- As a thermal insulation layer in ETICS facade systems;
- For new constructions and for renovations;

8. Application

Thermal insulation boards are applied in line with the instructions provided by the manufacturer of façade systems.

9. Packaging

Thermal insulation boards are in packages of the size 0.25 m³, wrapped up in non-transparent PE-foil. Each package contains a declaration sheet in line with the SIST EN 13172 standard.

10. Storage

Store in covered areas, away from sources of heat and fire; do not expose to UV rays; prevent contact with incompatible materials/chemicals.

11. Waste management

The manufacturer ensures that all of its packaging is included into the waste management system (Official Gazette of the RS, No. 84/06 with all changes and amendments).

12. Certificate

EC certificate of conformity C 1771 (Slovenian National Building and Civil Engineering Institute, Dimičeva 12, 1000 Ljubljana)

Declaration of Performance in line with the European directive on construction products CPR and in line with the European standard SIST EN 13163:2013.

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Proizvod je izdelan v organizaciji, ki je imetnik certifikatov ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007